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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
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| 10/074,044      | 02/14/2002  | Kang Chun Un         | Q67312              | 7599             |

7590 03/22/2006

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| EXAMINER |
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LEMMA, SAMSON B

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| ART UNIT | PAPER NUMBER |
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2132

DATE MAILED: 03/22/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/074,044

Applicant(s)

UN, KANG CHUN

Examiner

Samson B. Lemma

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 22 December 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-14 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-14 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)             | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)    | Paper No(s)/Mail Date. _____  |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____   | 6) <input type="checkbox"/> Other: _____                                    |

### ***DETAILED ACTION***

1. This office action is in reply to an amendment filed on December 22, 2005.  
**Claims 1-14** are pending. Claim 1 is amended.
2. Applicant has amended the specification and the amendment overcome the objection set forth in the previous office action.
3. Independent claim 1 is amended and the amendment overcome the 35 USC § 112 rejection set forth in the previous office action.

### ***Response to Arguments***

4. Applicant's arguments with respect to **claims 1-14** have been considered but are moot in view of the new ground(s) of rejection.

### ***Claim Rejections - 35 USC § 103***

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. **Claims 1-14** are rejected under 35 U.S.C. 103(a) as being unpatentable over Scott et al (hereinafter refereed as **Scott**) (U.S. Patent No. 6,484,260 B1) in view of Nagashima, Takayuki (hereinafter refereed as **Nagashima**)(**European patent No. EP 0851629 A2 (Publication date 07/01/1998)**)

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7. **As per claims 1, 9-13 Scott discloses a method for storing and securely managing important information for a user in a database**, [Column 4, lines 7-9] (registering a person with the host facility by storing an ID code associated only with portable registered device controlled by the registered person. **An ID code** meets the limitation of the important information and **storing an ID code in host facility** meets the limitation of storing and securely managing important information for a user in a database) **comprising:**
- Storing synchronizing information**, [Column 12, lines 52-53] (stored synchronization counter information in memory) **which changes when a portion of the important information is updated, in the database together with the important information**, [column 4, lines 32-33] (stored ID code) (The ID code which meets the limitation of important information is stored as indicated on column 4, lines 32-33, together with the synchronization counter which meets the limitation of synchronizing information. The storing of synchronizing counter is explained on column 12, lines 52-53 and inherently taught on column 4, lines 38-39, "synchronization counter of the registered device". This synchronizing information changes when the ID code changes) **and encrypting the synchronizing information**; [column 4, lines 28-29] (encrypting data including a synchronization counter.)
- Sending the encrypted synchronizing information to a predetermined place/s**; [Column 4, lines 24-29] (The access signal which includes the synchronization counter/synchronizing information is encrypted and sent to the host facility meets the limitation of predetermined place/s. This inherently includes storing the encrypted synchronization counter for a certain period of time/temporarily at the host facility before the synchronization counter is decrypted).

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Decrypting the synchronizing information in the predetermined places and determining whether the decrypted synchronizing information is identical to the synchronizing information stored in the database. [Column 4, lines 35-42 and column 12, lines 50-59]

**Scott** does not explicitly disclose,

Distributively storing data in a plurality of predetermined places and combining the data and decrypting the data.

However, in the same field of endeavor, **Nagashima** discloses

- Storing the key data distributively in a plurality of predetermined places and combining/collecting a predetermined number of pieces of information/data which are distributively stored and perform decryption.[Page 4, lines 9-10]

It would have been obvious to one having ordinary skill in the art, at the time the invention was made, to combine the features of storing data/information distributively on a plurality of predetermined places and combining them and perform decryption as per teachings of **Nagashima** in to the method as taught by Scott in order to securely mange information in database/facility/storage.

8. **As per claim 2 the combination of Scott and Nagashima** discloses a method for storing and securely managing important information for a user in a database as applied to claims above. Furthermore **Scott** discloses the method, wherein the encrypting comprises encrypting key-data used for encrypting and decrypting the synchronizing information. [column 4, lines 28-39 and column 12, lines ]

9. **As per claim 3 the combination of Scott and Nagashima** discloses a method for storing and securely managing important information for a user in a database as

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applied to claims above. Furthermore **Nagashima** discloses the method, wherein the distributively storing the encrypted synchronizing information comprises distributively storing key-data in said predetermined places. [Page 4, line 6; figure 1, ref "11b, 11c and 11d]

10. **As per claim 4 the combination of Scott and Nagashima** discloses a method for storing and securely managing important information for a user in a database as applied to claims above. Furthermore **Scott** discloses the method, wherein the encrypting the synchronizing information comprises encrypting the updated important information. [Column 4, line 27] (encrypting data includes encrypting the updated important information]

11. **As per claim 5 the combination of Scott and Nagashima** discloses a method for storing and securely managing important information for a user in a database as applied to claims above. Furthermore Scott discloses the method, wherein the encrypting the synchronizing information comprises encrypting key data used for encrypting and decrypting the important information. [column 4, lines 28-39 and column 12, lines]

12. **As per claim 6-7 the combination of Scott and Nagashima** discloses a method for storing and securely managing important information for a user in a database as applied to claims above. Furthermore **Nagashima** discloses the method, wherein the distributively storing the encrypted synchronizing information comprises distributively storing the encrypted key-data in predetermined places. [Page 4, lines 4-10, figure 1, ref "11b, 11c and 11d]

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13. **As per claim 8 & 14 the combination of Scott and Nagashima** discloses a method for storing and securely managing important information for a user in a database as applied to claims above. Furthermore **Scott** discloses the method, wherein the combining, decrypting and determining step comprises combining and decrypting the important information stored in the predetermined places and determining whether the decrypted important information is identical to the important information stored in the database. [Column 4, lines 24-42 and column 12, lines 50-59]

### ***Conclusion***

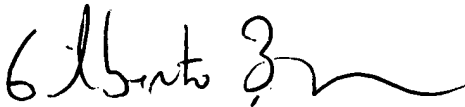
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Samson B Lemma whose telephone number is 571-272-3806. The examiner can normally be reached on Monday-Friday (8:00 am---4: 30 pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, BARRON JR GILBERTO can be reached on. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

**SAMSON LEMMA**

**S.L.  
03/14/2006**

  
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